

IN THE CLAIMS

1. (Currently Amended) A method of wireless communications between a first network and a second network enabling a mobile station (MS) subscribed in the first network to communicate using the second network, comprising:
 - storing an identity of the mobile station;
 - obtaining authentication information from the first network based on the identity of the mobile station;
 - using the authentication information from the first network to create a key;
 - substituting the key for ~~[[SSD-A]]~~ an authentication key used in a first algorithm to authenticate the mobile station; and
 - substituting the key for ~~[[SSD-B]]~~ an encryption key used in a second algorithm to encrypt messages between the mobile station and the second network.
2. (New) The method of claim 1, wherein the created key is from the first network.
3. (New) The method of claim 1, wherein the first algorithm is executed in the second network
4. (New) The method of claim 1, wherein the authentication key is SSD-A.
5. (New) The method of claim 1, wherein the encryption key is SSD-B.
6. (New) The method of claim 2, wherein the first network is a GSM network.
7. (New) The method of claim 2, wherein the second network is a CDMA network.
8. (New) The method of claim 2, wherein the first algorithm is a CAVE algorithm.
9. (New) The method of claim 7, wherein the second algorithm is a CAVE algorithm.
10. (New) A mobile station, comprising:
 - means for receiving a key from a first network;
 - means for substituting the first network key for an authentication key used in a first algorithm to authenticate the mobile station; and
 - means for substituting the key for an encryption key used in a second algorithm to encrypt messages between the mobile station and a second network.


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CONCLUSION

Applicants do not believe that any fees are due with this response. If, however, it is determined that fees are owed, please charge any fees or overpayments that may be due to Deposit Account No. 17-0026.

Respectfully submitted,

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